

EDUCATION

Software Engineering **Buenos Aires Institute of Technology** **2013 - Present**

- B. S. E. in Software Engineering. 5 year program. Master equivalence.
- Expected Graduation: Dec 2018
- Member of the *student government (CEITBA)*: In charge of IT
 - Developed a billing and information system replacing Excel spreadsheets.
 - Developed an automated locker management system replacing Excel spreadsheets.
 - Developed a file sharing platform for students to share old exams, notes and solutions. (apuntes.ceitba.org.ar)
- **Exchange semester at the Technical University of Munich (TUM)**
 - April 2017 - August 2017
 - Completed courses: Software Integrity Protection, Code reuse attacks and defenses against them, Security Engineering

Additional Education **Buenos Aires Stock Exchange** **2013**

- Stock exchange and market analysis. Futures, bonds, options and indices.
- Personal finance and trading tools available for personal investment.

WORK EXPERIENCE

PENTESTER & DEVELOPER **INFOBYTE** **JAN 2017 - MAR 2017**

- Worked in the development of [Faraday](#).
 - Python 2
 - Client - Server communications
 - Web UI & Desktop application
- Performed as a pentester and auditor for client projects.

DEVELOPER & CLOUD ARCHITECT **INFOBYTE** **FEB 2018 - CURRENT**

- Ported a Flask web project to Kubernetes.
- Ported the company and product websites to the new infrastructure.
- Built from scratch a distributed scanning product composed of a server and multiple agents, communicating using AMP messages over the internet.

COMMUNITY INVOLVEMENT

Open Source Project **Gambas** **2009 - Present**

- Responsible for the Stable and Unstable PPAs (Personal Package Archive) for all Ubuntu distributions. Community support for Debian based builds.
- Developed a Logging and a POP3 component to easily redirect log messages to a storage location and programmatically access email messages using the POP3 protocol.
- In the process of moving the build system from Automake to Cmake.

TECHNICAL EXPERIENCE

Personal and Academic Projects

- **Mundus** (2012 – 2016): Application made for Linux using the Gambas programming language. Allows the user to clean the /home folder from unused configuration files left by uninstalled software.

Source code available at <https://github.com/sebikul>

Technical Courses

- **Introduction to software vulnerability exploitation** (2015): In depth course about common vulnerabilities in every-day applications, and how to exploit them to take control of the system.

ADDITIONAL EXPERIENCE

- Great proficiency in Linux environments. Experience in managing and installing Debian or ArchLinux based distributions. Knowledge of the Linux Programming API and POSIX/System-V based interfaces.
- Client-Server application using Google AppEngine and Google App Endpoints (Python) as a server, and an Android application as a client.
- Implementation of REST APIs, to be used by a Javascript library.
- Experience using GIT, SVN, and Bazaar distributed source control systems. Limited experience with Mercurial.
- Experience exploiting SQL Injection, and other vulnerabilities.

Write-ups available at <https://sebikul.com>

Languages and Technologies

- C; ASM; C++; Java; Android (Java); Gambas; Python; Django; SQL (Postgres); nginx; PHP (past experience); JavaScript; AJAX; REST; XSLT; XML (XSD) Schema; HTML.
- sqlmap, metasploit, weevely, nmap, burp, owasp
- IntelliJ IDEA; VirtualBox; SSH; GDB, Bitcoin.
- Kubernetes, Docker, Ansible, Terraform, GCP/GKE, Vagrant